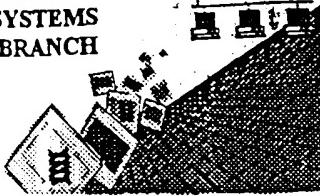




0590
0328

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/085,418D
Source: O IPE
Date Processed by STIC: 4/11/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
 - 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
- FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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PATENTIN ASSISTANCE: e-mail: robert.wax@uspto.gov Telephone: 703-306-4119

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003
TIME: 14:56:08

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF4\04012003\J085418D.raw

SEQUENCE LISTING

- 3 (1) GENERAL INFORMATION:
 4 (i) APPLICANT: ZENECA LIMITED . . .
 5 (ii) TITLE OF INVENTION: GENE SILENCING
 6 (iii) NUMBER OF SEQUENCES: 3
 7 (iv) CORRESPONDENCE ADDRESS:
 8 (A) ADDRESSEE: IP DEPT., ZENECA AGROCHEMICALS
 9 (B) STREET: JEALOTTS HILL RESEARCH STATION,
 10 (C) CITY: BRACKNELL,
 11 (D) STATE: BERKSHIRE
 12 (F) ZIP: RG42 6ET → mandatory information missing (E) COUNTRY: _____
 13 (v) COMPUTER READABLE FORM:
 14 (A) MEDIUM TYPE: Floppy disk
 15 (B) COMPUTER: IBM PC compatible
 16 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 17 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
 18 (vi) CURRENT APPLICATION DATA:
 C--> 19 (A) APPLICATION NUMBER: US/10/085,418D
 C--> 20 (B) FILING DATE: 25-Mar-2003
 21 (C) CLASSIFICATION:
 22 (viii) ATTORNEY/AGENT INFORMATION:
 23 (A) NAME: HUSKISSON, FRANK M
 24 (ix) TELECOMMUNICATION INFORMATION:
 25 (A) TELEPHONE: 01344 414822

ERRORRED SEQUENCES

- 27 (2) INFORMATION FOR SEQ ID NO: 1:
 28 (i) SEQUENCE CHARACTERISTICS:
 29 (A) LENGTH: 3681 base pairs
 30 (B) TYPE: nucleic acid
 31 (C) STRANDEDNESS: double
 32 (D) TOPOLOGY: linear
 33 (ii) MOLECULE TYPE: DNA (genomic)
 34 (iii) HYPOTHETICAL: NO
 35 (iv) ANTI-SENSE: NO
 36 (vi) ORIGINAL SOURCE:
 37 (A) ORGANISM: 1-AMINO CYCLOPROPANE-1-CARBOXYLIC ACID
 38 Cyclopropane

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003
TIME: 14:56:08

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF4\04012003\J085418D.raw

E--> 43 AAATTTGATA GATTCAAGTTT TTATGTTTT AGTGCTGATT ACAACATTGA AATTCTAAAT
W--> 44 60
E--> 45 TTAGAATTAA ATATTTATTA AATGTTAGTG CATTATACA AATAACATAT TACATCTCAA
W--> 46 120
E--> 47 ATAATATTGA GTTGTGTTAGA TTTTATTGC CCTGATTCT TATCATAAAAT AGGTTTCCT
W--> 48 180
E--> 49 TTTAGGAAAA GGTTTGAAAT TGACTATTCT TTTTTGGTA GGAAAAAGTT TAGGACTCTA
W--> 50 240
E--> 51 TAAATAGAGG CATGTTCCCTT CTAACCTAAC TAGCATTAC AATGTAGTTT TAAGGGCTTT
W--> 52 300
E--> 53 GAGAGTTTG GTTAGAGGGGA GAATTGTGA ACCTCTCATG TATTCCGAGT GAATTGGTTG
W--> 54 360
E--> 55 AGGTTGTTTC CCTCTGTATT TTGTACTCTC ATGTTTATAG TGGATTGCTC ATTTCCCTTG
W--> 56 420
E--> 57 TGGACGTAGG TCGATTGACC GAACCACGTT AAATTTTGT GTCTTTGGT ATATTCCTG
W--> 58 480
E--> 59 TTCTTCTTAC TCGTGGTCTT TCGAGGTTTG CTTTGCTAGC TTCCCGTTC ACACCTGCTT
W--> 60 540
E--> 61 ATTTCCGTC CTAACAAAGTG GTATCAGAGC CAGATTCAAT AATGGAGTCA GGTGTAGTGG
W--> 62 600
E--> 63 TTCGATAATC GATGATTGAA CCAAGTTAGA AAGAGGTGTT CATCTGACG GGTGTAGTTC
W--> 64 660
E--> 65 TAGCCGCAAC CTTTTGACA GTAATGAAGA TTTTGATGGA GAAATTGTTT CAGAGAGGTT
W--> 66 720
E--> 67 CTCTGTGTTG AGACATAAAAT TTTGTAAGG AGATTATGGA GAGGAGAAC AAGTTGTTGA
W--> 68 780
E--> 69 AGATTAAGTA AAGAAGGTGG ACAAAATCTAT TTTGTCAGAA ATTCAAGGCCA AGGGGGAGAT
W--> 70 840
E--> 71 TTGTTGGTT TTATTTGCC CGATTTTTA CCATAAAATAG GTTTCCCTT AAGGAAAAGG
W--> 72 900
E--> 73 TTTGAAATTG ACTATTCTT TTTGGTAGG AAAAGGTTA GGATTCTATA AATAGAGGCA
W--> 74 960
E--> 75 TGTTCCCTCT AACTTAATTA GCATTACAA TGTAGTTTA AGGGCTTGA GAGTTTGGT
W--> 76 1020
E--> 77 TAGAGGGAGA ATTTGTGAAC CTCTCATGTA TTCCGAGTGA ATTGGTTGAG GTTGTTCCTC
W--> 78 1080
E--> 79 TCTGTATTT GTACTCTCAT GTTTATAGTG GATTGCTCAT TTCCCTTGTG GACGTAGGTC
W--> 80 1140
E--> 81 GATTGACCGA ACCACGTTAA ATCTTTGTGT CTTTTGGTAT ATTTCTCGTT GTCTTCTTAC
W--> 82 1200
E--> 83 TCGTGGTCTT TCGAGGTTTG CTTTGCTAGC TTCCCGTTC ACACCTGCTT ATTTGCGTCA
W--> 84 1260
E--> 85 CTAACAGAGT TCGATGGGTT GAATCTATAA AAAGAAAAAT ATACTCGTGA TTCACGATTAA
W--> 86 1320
E--> 87 TTATATGAA AATATAATAA ATATTGAATT TCCTTGCTA TTTCTTATGT TTACGTCTT
W--> 88 1380
E--> 89 ATATTCAAA TTATTCCACC AATACTGACA AGCCCTAGGC CATCTCTAGG AAATTCAAC
W--> 90 1440

wrapped nucleic
throughout eq. 1

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003
TIME: 14:56:08

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF4\04012003\J085418D.raw

W--> 92 1500
E--> 93 AGGCAACTTC CTCAAGTACT ACAACTACAT TGTAACATCC CAGTCAAAGT GTCCTAAAAT
W--> 94 1560
E--> 95 TTTATAAAAT TTGACACATG AAACAATAGC ACAATAAATT TTAGTACTAT TGCAGCCATG
W--> 96 1620
E--> 97 GCCCATAAGC CATCATGTAT TATAGTCAAA ATGGGTCCTT TTCCAATTG TCTTGATCCC
W--> 98 1680
E--> 99 AAAATCCCTT TGTAGGTAAG ATGGTTAAC AAGGAACAT GACTCTTAAG GTAGACTTGG
W--> 100 1740
E--> 101 ACTCATAGAC TTGTCATAAC TCATAAAGAC TTGGAATATA ATAATTATTC ATTTAAATTA
W--> 102 1800
E--> 103 TAATTCTCTA CTTTAATATC TTCTACTATA AATACCCCTT CAAAGCCTCA TTATTGTAC
W--> 104 1860
E--> 105 ATCAAACATT GATATTCACT TCTTCAATCT TTTGTATTCA CATATTCTAT TTATTCAATA
W--> 106 1920
E--> 107 CACTTAGGAA AACACTTTAC CAAGAAATTA AGATGGAGAA CTTCCCAATT ATTAACCTGG
W--> 108 1980
E--> 109 AAAAGCTCAA TGGAGATGAG AGAGCCAACA CCATGGAAAT GATCAAAGAT GCTTGTGAGA
W--> 110 2040
E--> 111 ATTGGGGCTT CTTTGAGGTA ATCATAAATT ACATAAACAT ATTAATATGT TTGTTCAAT
W--> 112 2100
E--> 113 TTATCAGTCA TACTTTCTC TGTTTAAAAA TTAATGTCAC TTTCAATATT TAATAATTG
W--> 114 2160
E--> 115 CATGACATGT TTATAACACA ACAAGATATA GGTTACATTT TGATACATTA TATATAACTT
W--> 116 2220
E--> 117 CTGTCACACG ACTCAAAAGT CTTCTTAAT TTCTGAATT CAATGATCGA TCAAACTAAG
W--> 118 2280
E--> 119 ACACGTAAAA TGAAACGGGG AATAGTAATT CTGTTGCTT ATGTGATCAT TGTAGTTGGT
W--> 120 2340
E--> 121 GAACCATGGA ATTCCACATG AAGTAATGGA CACAGTAGAG AAAATGACAA AGGGACATTA
W--> 122 2400
E--> 123 CAAGAAGTGC ATGGAACAGA GTTTAAGGA ACTAGTGGCA AGTAAGGGAC TTGAGGCTGT
W--> 124 2460
E--> 125 TCAAGCTGAG GTTACTGATT TAGATTGGGA AAGCACTTTC TTCTGCGCC ATCTCCTAC
W--> 126 2520
E--> 127 TTCTAATATC TCTCAAGTAC CCGATCTTGA CGAAGAACATC AGGTACATAC ATGTGTCTA
W--> 128 2580
E--> 129 CATATTGCGT ATATAATAAA TAAACACAAA ATTTAAGTTA TATACGCTGA CAGTATAACT
W--> 130 2640
E--> 131 AATTATAATG TTGTACCAAA TGATGCAGAG AGGTGATGAG AGATTTGCT AAAAGATTGG
W--> 132 2700
E--> 133 AGAAATTGGC TGAGGAGTTA CTTGACTTAC TCTGTAAAAA TCTTGGACTT GAAAAAGGTT
W--> 134 2760
E--> 135 ACTTGAAAAA TGCCTTTAT GGATCAAAGA GTCCCAACTT TGGTACTAAA GTTAGCAACT
W--> 136 2820
E--> 137 ATCCACCATG TCCTAAGCCC GATTTGATCA AGGGACTCCG CGCTCATACA GACCGAGGAG
W--> 138 2880
E--> 139 GCATCATACT TCTGTTCCAA GATGACAAAG TGAGTGGCCT TCAACTCCTC AAAGACGAGC
W--> 140 2940

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003

TIME: 14:56:08

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

E--> 141 AATGGATCGA TGTCCTCCCC ATGCGCCACT CTATTGTGGT TAACCTTGGT GACCAACTTG
W--> 142 3000
E--> 143 AGGTACAAGA TTCACTAAGT GTGTGTGTT TTATCACTAT AACTTAGAAG TAGTAACCAA
W--> 144 3060
E--> 145 AAATGGTATT AATGAAATGT TATAAAAACA GGTGATCACT AACGGGAAGT ACAAGAGTGT
W--> 146 3120
E--> 147 GCTGCACAGA GTAATTGCAC AAACAGACGG GACACGAATG TCATTAGCCT CATTACAA
W--> 148 3180
E--> 149 TCCAGGAAGT GATGCAGTAA TATATCCAGC AAAAACCTTG GTGAAAAAAG AGGCAGAGGA
W--> 150 3240
E--> 151 AAGTACACAA GTGTATCCAA AGTTTGTGTT TGATGATTAC ATGAAGTTAT ATGCTGGACT
W--> 152 3300
E--> 153 CAAGTTCAA GCCAAAGAGC CAAGATTGA AGCAATGAAG GCAATGGAAA GTGATCCAAT
W--> 154 3360
E--> 155 TCGAAGTGCT TAGATCCAA TTCAATTAAA AAAATTGGTG TTTGAAAAAT ATATTAAAT
W--> 156 3420
E--> 157 ATAGCAATCT ATGTATACAC ATTATTTGCT CTTCTTATGT ATGGTAGAAT AAAGTTAGTA
W--> 158 3480
E--> 159 TTAAGGAGA TTGTGATTTG CTGCATATGT ATCAAAAAGA GTCCTAATAT TTGTATCTAT
W--> 160 3540
E--> 161 AAATAAGGTG CCTTCTAGTG AAATTATACA AATAATAATT TGGAGTGTAT TGTTCTTCT
W--> 162 3600
E--> 163 CATGTAATT TAACTTTAAG TATCTTACCT TACAATATAC TGTCACTTA TTGACATAT
W--> 164 3660
165 TGAGTGATAT ATTGACTCAA T 3681

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003

TIME: 14:56:09

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF4\04012003\J085418D.raw

L:19 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:20 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:0 M:200 E: Mandatory Header Field missing, [(E) COUNTRY:] of (1)(iv)
L:43 M:254 E: No. of Bases conflict, Input:0 Counted:60 SEQ:1
L:44 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
M:254 Repeated in SeqNo=1
L:46 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:48 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:50 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:52 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:54 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:56 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:62 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:64 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:66 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:68 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:88 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:92 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:104 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:108 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:112 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:116 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:118 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:120 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:122 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:124 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:126 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:128 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/085,418D

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TIME: 14:56:09

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

L:130 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:132 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:138 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:140 M:336 W: Invalid Amino Acid Number in Coding Fegion, SEQ ID:1
L:142 M:336 W: Invalid Amino Acid Number in Coding Fegion, SEQ ID:1